

CLAIMS

1. A picture drawing apparatus comprising:

pre-processing means for generating data required for drawing processing prior to drawing processing on the unit figure basis in accordance with a drawing command for drawing a picture model defined by the combination of unit figures;

picture drawing means for generating pixel data on the unit figure basis by texture mapping processing responsive to said drawing command for drawing a picture on a picture memory;

storage means for transient storage of texture data required by the picture drawing means for texture mapping; and

supplying means for supplying the texture data required by said picture drawing means for texture mapping to said storage means responsive to data outputted by said pre-processing means.

2. The picture drawing device as claimed in claim 1 wherein said picture drawing means has the function of performing MIP mapping, said picture drawing means selecting texture data having the desired resolution responsive to data outputted by said pre-processing means for supplying the selected texture data to said storage means.

3. A picture drawing method comprising the steps of:

generating data pertinent to picture drawing processing on the unit figure basis in accordance with a drawing command for drawing a picture model defined by the combination of unit

09630249-000100

figures;

supplying texture data necessary for texture mapping in said picture drawing processing to storage means based on said data;

generating pixel data of a unit figure by texture processing for drawing on a picture memory and drawing a picture on a picture memory.

4. The picture drawing method as claimed in claim 3 wherein said step of supplying said texture data to said storage means includes a step of supplying texture data of resolution required in MIP mapping in said picture drawing processing responsive to data pertinent to said picture drawing processing.

09630240-000100

ADD A2

ADD B5